O’nyong-nyong Virus, UgMP 30

Catalog No. NR-51661

For research use only. Not for human use.

Contributor:
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Manufacturer:
BEI Resources

Product Description:
Virus Classification: Togaviridae, Alphavirus
Species: O’nyong-nyong virus
Strain/Isolate: UgMP 30
Original Source: O’nyong-nyong virus (ONNV), UgMP 30 was isolated from human serum in 1959 in the Northern Province of Uganda and submitted to Division of Vector-Borne Diseases (DVBD) through Yale Arbovirus Research Unit in 1976.1

ONNV is a single-stranded RNA virus belonging to the group of mosquito-borne viruses including Chikungunya virus, Mayaro virus, River Ross virus and Sindbis virus known to cause arthritis in humans.2 ONNV was first isolated during a major epidemic in Uganda in 1959, which later spread to countries in south-eastern Africa. ONNV is transmitted by anopheline mosquitoes with humans as amplification host during epidemics.3,4 Clinical manifestations of infection with ONNV include an acute febrile episode with skin rash, lymphadenopathy, joint pains followed by polyarthralgia and myalgia that can be severe and long lasting.3,5

Material Provided:
Each vial contains approximately 1 mL of cell lysate and supernatant from Cercopithecus aethiops kidney epithelial cells infected with ONNV, UgMP 30.

Note: If homogeneity is required for your intended use, please purify prior to initiating work.

Packaging/Storage:
NR-51661 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen and should be stored at -60°C or colder immediately upon arrival. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

Growth Conditions:
Host: Cercopithecus aethiops kidney epithelial cells (Vero E6; ATCC® CCL-1586™)
Growth Medium: Dulbecco’s Modified Eagle’s Medium modified to contain 4 mM L-glutamine, 4500 mg/L glucose, 1 mM sodium pyruvate, and 1.5 g/L sodium bicarbonate supplemented with 2% fetal bovine serum, or equivalent
Infection: Cells should be 90% to 95% confluent

Incubation: 2 to 4 days at 37°C and 5% CO2
Cytopathic Effect: Cell rounding and sloughing

Citation:
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: O’nyong-nyong Virus, UgMP 30, NR-51661.”

Biosafety Level: 2

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References:


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